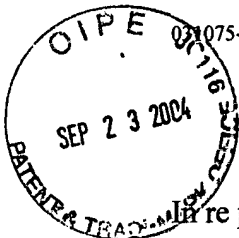


JFW



021075-000128.TJC.303955

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

My re patent application of:

Jingsong Xia et al.

Serial No. 10/701,047

Filed November 4, 2003

ADAPTIVE EQUALIZER HAVING A  
VARIABLE STEP SIZE INFLUENCED  
BY OUTPUT FROM A TRELLIS  
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) Group Art Unit 2631

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) September 21, 2004

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure in accordance with 37 C.F.R. §1.56, Applicant wishes to bring to the attention of the Examiner the items of information listed on the enclosed Information Disclosure Citation Form. This information has not been previously submitted in this application, and has not been heretofore cited previously by the Examiner. Copies of all U.S. patents, foreign patent documents and non-patent literature are enclosed.

The undersigned hereby certifies that some of the items of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 21, 2004

Date of Deposit

Troy J. Cole

Name of Registered Representative

Signature


September 21, 2004

Date of Signature

This Statement is not being submitted within three months of the issuance of the communication of the foreign counterpart application, however, this Statement is being submitted prior to the mailing of any Office Action on the merits in the present application. Therefore, no additional fees are believed to be necessary, however, should any fees be deemed required, the Commissioner is authorized to charge such fees to Deposit Account No. 23-3030, but is not to include payment of issue fees.

The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b).

Respectfully submitted

By: 

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031075-000128.TJC.303952

WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0651-0031  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

5

Complete if Known

Application Number

10/701,047

Filing Date

November 4, 2003

First Named Inventor

Jingsong Xia et al.

Group Art Unit

2631

Examiner Name

Not Yet Assigned

Attorney Docket Number

31075-128

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US - 4,567,599	01/28/1986	Mizoguchi	
		US - 4,712,221	12/08/1987	Pearce et al.	
		US - 4,815,103	03/21/1989	Cupo et al.	
		US - 4,856,031	08/08/1989	Goldstein	
		US - 4,866,395	09/12/1989	Hostetter	
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		US - 5,052,000	09/24/1991	Wang et al.	
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		US - 5,210,774	05/11/1993	Abbate et al.	
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		US - 5,506,636	04/09/1996	Patel et al.	
		US - 5,532,750	07/2/1996	De Haan et al.	
		US - 5,537,435	07/16/1996	Carney et al.	
		US - 5,568,098	10/22/1996	Horie et al.	
		US - 5,568,521	10/22/1996	Williams et al.	

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0,524,559 B1	05/02/1997	Paik et al.		
		EP 0,752,185 B1	07/17/2002	Strolle et al.		
		WO 00/27033	05/11/2000	Tan et al.		
		WO 00/27066	05/11/2000	Jaffe et al.		
		WO 01/01650 A1	01/04/2001	Bourdeau		
		WO 01/13516 A2	02/22/2001	Jaffe et al.		

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			Application Number	10/701,047	
			Filing Date	November 4, 2003	
			First Named Inventor	Jingsong Xia et al.	
			Group Art Unit	2631	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	5	Attorney Docket Number	31075-128

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		US - 5,619,154	04/08/1997	Strolle et al.	
		US - 5,648,987	04/15/1997	Yang et al.	
		US - 5,692,014	11/25/1997	Basham et al.	
		US - 5,789,988	08/04/1998	Sasaki	
		US - 5,802,461	09/01/1998	Gatherer	
		US - 5,805,242	09/08/1998	Strolle et al.	
		US - 5,828,705	10/27/1998	Kroeger et al.	
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		US - 5,862,156	01/19/1999	Huszar et al.	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 01/43310 A2	06/14/2001	Jaffe et al.		
		WO 01/43384 A2	06/14/2001	Jaffe et al.		

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		US - 6,363,124 B1	03/26/2002	Cochran	
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		US - 2002/0154248 A1	10/24/2002	Wittig et al.	
		US - 2002/0172275 A1	11/21/2002	Birru	
		US - 2002/0172276 A1	11/21/2002	Tan et al.	
		US - 2002/0186762	12/12/2002	Xia et al.	
		US - 2002/0191716	12/19/2002	Xia et al.	
		US - 2003/0058967 A1	03/27/2003	Lin et al.	

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Sheet

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Application Number

*Complete if Known*

10/701.047

Filing Date

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First Named Inventor

Jingsong Xia et al.

### Group Art Unit

2631

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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published

 $T^2$ 

Demodulation of Cochannel QAM Signals (continued); Error Detection/Correction; pages 1-3, [http://www.appsig.com/papers/1813f/813f\\_4.html](http://www.appsig.com/papers/1813f/813f_4.html)

Demodulation of Cochannel QAM Signals (continued); Simulation Results; pages 1-6;  
[http://www.appsig.com/papers/1813f/813f\\_5.html](http://www.appsig.com/papers/1813f/813f_5.html)

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